

NINOMIYA ET AL. -- 10/791,274
Client/Matter: 008312-0308597

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. - 3. (Canceled)

4. (Withdrawn) An electronic apparatus comprising:

a body;

a display unit provided on the body;

a fuel cell unit having a fuel cell capable of supplying electric power to the body and in and from which a tank for the fuel cell can be installed and removed;

a sensing unit configured to sense whether or not an abnormality has occurred in the fuel cell unit; and

a control unit configured to cause the display unit to display information of the occurrence of an abnormality, when the sensing unit has sensed that an abnormality has occurred in the fuel cell unit.

5. (Withdrawn) The electronic apparatus according to claim 4, further comprising an abnormality processing unit configured to carry out a process corresponding to the abnormality.

6. (Withdrawn) The electronic apparatus according to claim 5, wherein the control unit causes the display unit to display information that the body is to be shut down when a predetermined abnormality has occurred in the fuel cell, and

the abnormality processing unit shuts down the body after a predetermined time has elapsed since the display of information by the control unit.

7. (Withdrawn) The electronic apparatus according to claim 4, wherein the fuel cell unit includes a storage portion which stores status information indicating at least one of the presence or absence of the installation of the tank, the remaining amount of fuel in the tank, and the presence or absence of the occurrence of an abnormality in the fuel cell unit.

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8. (Withdrawn) The electronic apparatus according to claim 7, further comprising an informing unit configured to inform the sensing unit of the storage of the status information, when the status information has been stored in the storage portion, wherein

the sensing unit reads the status information stored in the storage portion, when being informed by the informing unit.

9. (Withdrawn) The electronic apparatus according to claim 7, wherein the sensing unit reads the status information stored in the storage portion, at predetermined intervals of time.

10. (Withdrawn) The electronic apparatus according to claim 7, wherein the fuel cell unit has updating portion which updates the status information stored in the storage portion so as to indicate that the remaining amount of fuel is a predetermined amount, when the tank has been removed or when the remaining amount of fuel in the tank has been reduced to zero.

11. (Withdrawn) A computer comprising:

a body;

a display unit provided on the body;

a fuel cell unit having a fuel cell capable of supplying electric power to the body and in and from which a tank for the fuel cell can be installed and removed;

a storage unit provided in the fuel cell unit and configured to store abnormal-status information indicating an occurrence of an abnormality, when the abnormality has occurred in the fuel cell unit; and

a control unit configured to cause the display unit to display the occurrence of an abnormality on the basis of the abnormality information stored in the storage unit.

12. (Withdrawn) The computer according to claim 11, wherein the abnormal-status information indicates at least either the uninstallation of the tank or fuel shortage due to the decrease of the remaining amount of fuel in the tank below a predetermined value.

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13. (Withdrawn) The computer according to claim 11, wherein the fuel cell unit includes an informing unit configured to inform the control unit of the storage of the abnormal-status information, when the abnormal-status information has been stored in the storage unit, and

the control unit reads the abnormal-status information stored in the storage unit when being informed by the informing section, and causes the display unit to display the occurrence of the abnormality on the basis of the abnormal-status information read out.

14. (Withdrawn) A computer comprising:

a computer body;

a fuel cell unit having a fuel cell capable of supplying electric power to the computer body and in and from which a tank for the fuel cell can be installed and removed;

a remaining-amount acquiring unit configured to acquire the remaining amount of fuel in the tank; and

a remaining-amount control unit configured to inform an operating system run on the computer body of the value obtained by subtracting a predetermined value from the remaining amount acquired by the remaining-amount acquiring unit.

15. (Withdrawn) A fuel cell unit comprising:

a fuel cell;

a detachable tank for the fuel cell;

a storage unit configured to store information indicating the remaining amount of fuel in the tank; and

an updating unit configured to update the information stored in the storage unit so as to indicate that the remaining amount of fuel in the tank is a predetermined amount, when the tank has been removed.

16. (Withdrawn) A state display control method for an electronic apparatus capable of operating on electric power supplied from a fuel cell unit which has a fuel cell and in and from which a tank can be installed and removed, the method comprising:

acquiring the remaining amount of fuel in the tank installed in the fuel cell unit;

informing an operating system run on the electronic apparatus of the value obtained by subtracting a first predetermined value from the remaining amount acquired; and

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displaying information to prompt the replacement of the tank, when the value obtained by subtracting the first predetermined value from the remaining amount is smaller than a second predetermined value.

17. (Withdrawn) A state display control method for an electronic apparatus capable of operating on electric power supplied from a fuel cell unit which has a fuel cell and in and from which a tank can be installed and removed, the method comprising:

sensing the removal of the tank from the fuel cell unit;

displaying information to prompt the installation of the tank, when the removal of the tank has been sensed; and

informing an operating system run on the electronic apparatus that the remaining amount of fuel is a predetermined amount, when the removal of the tank has been sensed.

18. (Currently Amended) An electronic apparatus, comprising:

a body; and

a fuel cell unit detachably connected to the body, comprising

a fuel cell configured to supply electric power to the body,

a tank configured to hold fuel for the fuel cell, [[and]]

a sensing unit configured to sense a remaining amount of fuel in the tank[[:]], and

a storage unit which stores information indicating the remaining amount of fuel;

[[a]] the body comprising

a controller which acquires the information from the storage unit indicating the remaining amount of fuel sensed by the sensing unit, and

a display unit configured to display the remaining amount of fuel according to the acquired information.

19. (Previously Presented) The electronic apparatus according to claim 18, wherein the display unit is configured to display information to prompt a replacement of the tank or information that the remaining amount of fuel is decreased below a predetermined value, when the remaining amount of fuel is decreased below the predetermined value.

20. (Canceled)

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21. (Previously Presented) The electronic apparatus according to claim 18, wherein the body further comprises:

a processing unit configured to execute at least a power management program, which refers to the information acquired by the controller and causes the display unit to display a message regarding the remaining amount of fuel.

22. (Previously Presented) The electronic apparatus according to claim 19, wherein the body further comprises:

a processing unit configured to execute at least a power management program, which designates a value inputted by a user as the predetermined value.

23. (Previously Presented) The electronic apparatus according to claim 18, wherein the body further comprises:

a processing unit configured to execute at least an operating system under which the processing unit executes a shutdown process when the remaining amount of fuel decreases below a predetermined value.

24. (Previously Presented) The electronic apparatus according to claim 23, wherein the operating system executes the shutdown process using a value calculated by subtracting the predetermined value from the remaining amount of fuel sensed by the sensing unit.

25. (Withdrawn) An electronic apparatus comprising:
a fuel cell unit comprising
a fuel cell configured to supply electric power to the body,
a tank configured to hold fuel for the fuel cell,
an installation portion in which the tank is installed, and
a sensing unit configured to sense whether or not the tank is installed in the installation portion; and
a body comprising
a controller which acquires information indicating a result sensed by the sensing unit,
and

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a display unit configured to display information to prompt an installation of the tank or information that the tank is not installed, when the acquired information indicates the tank is not installed.

26. (Withdrawn) The electronic apparatus according to claim 25, wherein the fuel cell unit comprises:

a storage unit configured to store information indicating whether or not the tank is installed in the installation portion,

wherein the controller acquires the information from the storage unit.

27. (Withdrawn) The electronic apparatus according to claim 25, wherein the body further comprises:

a processing unit configured to execute at least a power management program which refers to the information acquired by the controller and causes the display unit to display a message to prompt an installation of the tank or information that the tank is not installed.

28. (Withdrawn) The electronic apparatus according to claim 18, wherein the controller is a power supply controller.

29. (Withdrawn) The electronic apparatus according to claim 28, wherein the power supply controller comprises a register for storing status information representing a state of the fuel cell unit.

30. (Withdrawn) The electronic apparatus according to claim 25, wherein the controller is a power supply controller.

31. (Withdrawn) The electronic apparatus according to claim 30, wherein the power supply controller comprises a register for storing status information representing a state of the fuel cell unit.

32. (Withdrawn) The electronic apparatus according to claim 18, wherein the tank is a cartridge.

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33. (Withdrawn) The electronic apparatus according to claim 25, wherein the tank is a cartridge.